



PANGUITCH CITY

25 South 200 East
PO Box 75
Panguitch UT 84759
Tel: (435)676-8585
Fax: (435) 676-2758

Mayor: J. Arthur Cooper
City Manager: Allen K. Henrie
City Recorder: Cindy Johnson
City Treasurer: Carla Farnsworth
Public works director: Dave Owens
Council Members:

Eric Houston
John Orton
Nick Reynolds
Tim Smith
Lori Talbot

38293

January 15, 2009

Rob Powers P. G.
Division of Solid and Hazardous Waste
288 North 1460 West
PO Box 144880
Salt Lake City Utah 84114-4880

RECEIVED

JAN 20 2009

UTAH DIVISION OF
SOLID & HAZARDOUS WASTE
2009.00241

Dear Mr. Powers,

Enclosed is the revised renewal for the Panguitch Landfill. Thanks for your help in getting this done.

For your information, 2 acres of the Landfill have been closed. We have covered with 2 feet of material as per your instructions. We have also leased 2 acres to a recycler. This recycle center deals mostly with junk automobiles. This leaves 6 acres in the current landfill.

We continue to do our best to operate the landfill to State specifications. I understand we have a number of years to meet the financial obligation, and we are prepared to move forward. We already have a PTIF account set up with over \$13,000.00 currently in this account. We will deposit additional money on an annual basis to meet financial obligations.

If you have additional questions, please feel free to contact me.

Sincerely,

Allen K. Henrie
Panguitch City Manager

AKH/cj

RECEIVED

JAN 20 2009

Utah Class IV and VI Landfill Permit Application Form

UTAH DIVISION OF
SOLID & HAZARDOUS WASTE

| | | | | | |
|---|---|--|---|---|--|
| Part I General Information | | APPLICANT: PLEASE COMPLETE ALL SECTIONS. | | 2009.00241 | |
| I. Landfill Type | <input type="checkbox"/> Class IVa <input type="checkbox"/> Class VI | <input checked="" type="checkbox"/> Class IVb | II. Application Type | <input type="checkbox"/> New Application <input checked="" type="checkbox"/> Renewal Application | <input type="checkbox"/> Facility Expansion <input type="checkbox"/> Modification |
| For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number _____ | | | | | |
| III. Facility Name and Location | | | | | |
| Legal Name of Facility Panguitch Class IVB Landfill | | | | | |
| Site Address (street or directions to site) | | | | County Garfield | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| Township 34S | Range 5W | Section(s) 26 | Quarter/Quarter Section sw 1/4 sw 1/4 se 1/4 | | Quarter Section |
| Main Gate Latitude degrees 37 minutes 49 seconds 17 | | Longitude degrees 112 minutes 23 seconds 01 | | | |
| IV. Facility Owner(s) Information | | | | | |
| Legal Name of Facility Owner Panguitch City | | | | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| V. Facility Operator(s) Information | | | | | |
| Legal Name of Facility Operator Panguitch City | | | | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| VI. Property Owner(s) Information | | | | | |
| Legal Name of Property Owner Panguitch City | | | | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| VII. Contact Information | | | | | |
| Owner Contact Allen K. Henrie | | | Title City Manager | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| Email Address allenhenrie@yahoo.com | | | Alternative Telephone (cell or other) | | |
| Operator Contact Allen Henrie / Orson Worthen | | | Title City Manager / Landfill Employee | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| Email Address allenhenrie@yahoo.com | | | Alternative Telephone (cell or other) 435-616-8588 | | |
| Property Owner Contact Allen K. Henrie | | | Title City Manager | | |
| Address (mailing) P.O. Box 75 | | | | | |
| City Panguitch | | State UT | Zip Code 84759 | Telephone 435-676-8585 | |
| Email Address allenhenrie@yahoo.com | | | Alternative Telephone (cell or other) 435-616-8588 | | |

Utah Class IV and VI Landfill Permit Application Form

Part I General Information (Continued)

| | | | |
|---|--|--|--|
| VIII. Waste Types (check all that apply) | | IX. Facility Area | |
| <input checked="" type="checkbox"/> Landfill will accept all wastes allowed in Class IV or VI landfills Or landfill will accept only the following wastes Waste Type Combined Disposal Unit Monofill Unit <input type="checkbox"/> Construction & Demolition <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Tires <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Yard Waste <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Animals <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Contaminated Soil <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> Note: Disposal of dead animals must be approved by the Executive Secretary | | Facility Area <u>2.2 acres leased to recycle</u> <u>10</u> acres Disposal Area <u>2 acres closed</u> <u>6</u> acres Design Capacity Years <u>10-15</u> Cubic Yards _____ Tons <u>300 ±</u> /- | |

X. Fee and Application Documents

| | | | |
|--|---|---|---|
| Indicate Documents Attached To This Application | | <input type="checkbox"/> Application Fee: Amount \$ | Class VI Special Requirements |
| <input checked="" type="checkbox"/> Facility Map or Maps | <input type="checkbox"/> Facility Legal Description | <input type="checkbox"/> Plan of Operation | <input type="checkbox"/> Documents required by UCA 19-6-108(9) and (10) |
| <input type="checkbox"/> Ground Water Report | <input type="checkbox"/> Closure Design | <input type="checkbox"/> Cost Estimates | <input type="checkbox"/> Waste Description |
| | | <input type="checkbox"/> Financial Assurance | |

I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.

| | | | |
|--|--|--|------------------------|
| Signature of Authorized Owner Representative <u>Allen K. Henrie</u> Name typed or printed Allen K. Henrie | | Title City Manager | Date 1-12-09 |
| Signature of Authorized Land Owner Representative (if applicable) <u>J. Arthur Cooper</u> Name typed or printed J. Arthur Cooper | | Title Mayor | Date 1-12-09 |
| Signature of Authorized Operator Representative (if applicable) <u>Allen K. Henrie</u> Name typed or printed Allen K. Henrie | | Title City Manager | Date 1-12-09 |
| | | Address 25 South 200 East P.o. Box 753 | |
| | | Address 25 South 200 East P.o. Box 128 | |
| | | Address | |

PERMITTING DOCUMENTS
PANGUITCH CLASS IVB LANDFILL

#9610R1
Allen Henrie
allenhenrie@yahoo.com
435-676-8585

REVISED JANUARY 2009

PREPARED BY: PANGUITCH CITY

**APPLICATION FOR
PANGUITCH CLASS IVB LANDFILL**

REVISED JANUARY 2009

PREPARED BY: PANGUITCH CITY

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APPLICATION

INTRODUCTION

This report serves as the application for the Panguitch Class IVB Landfill located approximately 3 miles east of Panguitch, Utah. The purpose of the application is to comply with Administrative Rules of the Utah Solid and Hazardous Waste Committee, Utah Department of Environmental Quality.

Panguitch City currently owns 10 acres at the location and operates a Class IVB Landfill/Source Reduction Site. The facility complies with Garfield County's Solid Waste Management Plan and is capable of servicing the community's current and future needs. The site is located in an area which accommodates residents of Panguitch and permits monitoring on a regular basis. In addition, the site is relatively isolated, has sloping topography, and has positive characteristics when considering precipitation, and available cover material. Exhibit 1 is a general vicinity map depicting the site.

RESPONSIBLE PARTIES

The applicant and responsible party for site operation is:

Panguitch City
25 South 200 East
Panguitch, UT 84759
Attn: Allen Henrie
Phone: (435) 676-8585
Fax: (435) 676-2758

The property owner is:

Panguitch City
25 South 200 East
Panguitch, UT 84759
Phone: (435) 676-8585

GENERAL DESCRIPTION

The Panguitch Class IVB Landfill is a natural attenuation facility designed to fulfill the current and future solid waste disposal needs of the Panguitch area. The facility encompasses a total of 10 acres and contemplates service to Panguitch and unincorporated areas in the immediate vicinity. Annual average waste volumes are estimated at less than 5 tons per day, and precipitation is less than 20 inches per year.

LEGAL DESCRIPTION

The site is legally described as the Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, Section 26, Township 34 South, Range 5 West, containing 10 acres. A location map is included as Exhibit 2a, and Exhibit 2b is a patent for the property.

The facility's main gate is located on an existing county road 112° 23' 01" longitude and 37° 49' 17" latitude. Lands adjacent to the facility are considered multiple use lands controlled by the Bureau of Land Management (BLM). The closest private land exists approximately 1/8th of a mile north and west of the site.

Garfield County's zoning ordinances apply in the vicinity of the Class IV landfill. A conditional use permit has been processed by the County; future zoning policies and ordinances will accommodate the Panguitch Class IV Landfill as they are adopted.

WASTE TYPES/AREA TO BE SERVED

Waste accepted by the Panguitch Class IVB Landfill will be comprised of inert waste, construction/demolition waste, yard waste, dead animals, tires or tire derived material, and other waste approved by the Executive Secretary. The facility will also temporarily store recyclable materials, up to one year, prior to transportation to regional facilities. Special waste shall only be accepted and handled in accordance with Administrative Rule R315-315 and subject to the conditions of this permit.

Dead animals are the only special waste authorized for permanent disposal at the Panguitch Class IVB Landfill. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of the cell with other solid waste, or in a separate disposal trench and will be covered daily with a minimum of six (6) inches of earth to prevent odors and the propagation and harborage of rodents and insects. Currently, the landfill does not allow dead animals as the county has a dead animal pit in the area. Regulations will be followed if and when dead animals are accepted.

Bulky wastes such as car bodies, furniture, and appliances will be stored in a separate area of the landfill for future disposal at a permitted Class I, II, or V Landfill or for recycling. Local scrap dealers are willing to accept such waste if assistance can be provided in loading the material. Other special wastes identified in the regulations will not be accepted at the facility unless specifically authorized by the Executive Secretary.

The service area may consist of all lands within the legal boundaries of Garfield County. However, considering the location of the facility and additional solid waste disposal facilities being permitted in other areas of the County, it is anticipated the service area will be practically limited to residents in the Panguitch area. Exhibit 3 illustrates the service area for the Panguitch Class IVB Landfill. The landfill is not a commercial landfill, a minimum amount of construction waste from contractors is allowed.

PLAN OF OPERATION

The plan of operation required by Subsection R315-302-2 can be found in other portions of this application.

REQUIRED FORMS

The daily record form used to record weights of volumes of waste received required by Subsection R315-302-2(3) is included as Exhibit 4a. The form for recording inspections for hazardous and PCB wastes is included as Exhibit 4b.

INSPECTIONS

The owner or operator inspects the facility to prevent malfunctions, deterioration, operation errors, and discharges which may result in the release of wastes to the environment or a threat to human health. The owner or operator conducts these inspections at least once each quarter and completes the inspection log included as Exhibit 5. The inspection log is kept for a minimum of 3 years from the date of inspection.

The Executive Secretary or any duly authorized officer, employee or representative of the Board may, at any reasonable time, enter the facility for inspection purposes. An inspection report containing a list of any deficiencies and recommended actions will be furnished to the owner and to the operator within a reasonable time. The inspector may also discuss problems and make preliminary recommendations prior to leaving the facility.

WATER QUALITY REVIEW

The Utah Solid Waste Permitting and Management Rules does not require ground water monitoring at Class IVB Landfills. Accordingly, no ground water monitoring wells have been installed at the Panguitch Class IVB landfill.

FINANCIAL ASSURANCE

A detailed financial assurance plan as required by R315-309 is included in other sections of this document. Within 6 months of initial receipt of waste, the Panguitch Class IV Landfill established a dedicated escrow account #6036 with satisfactory controls approved by the Executive Secretary for financial assurance sufficient to assure adequate closure. Withdrawal and use of the funds shall be for closure operations and may be used, with Executive Secretary approval, for other landfill purposes if minimum financial assurance requirements for closure and post-closure are exceeded. As of 12/31/08, the PITF account through the State Treasurer has a balance of \$13,334.00 and is set up according to State Landfill requirements. However, the permit renewal application contains revised closure and post-closure care estimate of \$36,000. Panguitch City will deposit a minimum of 10% of the difference between the current balance and the most current estimate so to be fully funded within 10 years of the approved permit. Panguitch City reserves the right to alter the financial assurance mechanism as bonds, insurance, guarantees and other vehicles become available.

PRELIMINARY ENGINEERING REPORT

REQUIRED MAPPING

A map complying with the requirements of R315-310-4(2)(a)(i) and depicting the boundaries of the landfill unit, borrow and fill areas has been included as Exhibit 6. Groundwater monitoring wells and landfill gas monitoring points are not required for Class IVB landfills and do not appear on the map.

A USGS topographic map complying with the requirements of R315-310-4(2)(a)(ii) is also included with this submittal.

ZONING STATUS

Garfield County zoning ordinances apply in the vicinity of the proposed Class IV landfill. A conditional use permit has been processed, and future policies and ordinances will accommodate the Panguitch Class IV Landfill.

SERVICE AREA

The service area for the Panguitch Class IVB Landfill may consist of all lands within the legal boundaries of Garfield County. However, considering the location of the facility and additional solid waste disposal facilities permitted in other areas of the County, it is anticipated the service area will be practically limited to residents of the Panguitch area. Exhibit 3 illustrates the service area for the Panguitch Class IV Landfill.

RECORDED PLATS

Plats and a statement of fact concerning the location of any disposal site shall be recorded as part of the record of title with the County Recorder not later than 60 days after certification of closure. Records and plans specifying solid waste amounts, location and periods of operation may be kept and may be available for public inspection.

ACCEPTABLE WASTE TYPES

The Panguitch Class IVB Landfill will not accept for disposal any other form of waste except construction/demolition waste, yard waste, inert waste, dead animals, tires or tire-derived materials. Recyclable metals and other commodities may be temporarily stored in designated areas of the facility until they can be transported to an authorized recycling/disposal facility.

ACCESS CONTROL

Owners and operators of the Panguitch Class IVB Landfill employ measures to prevent the disposal

of unauthorized waste by insuring that at least one person is on site during hours of operation. Unauthorized access and disposal during closed periods are prevented by controlling entry. Lockable gates, fences, natural barriers, berms, and other methods are employed to insure access to the facility is controlled.

EMISSION PREVENTION

Appropriate measures to prevent emissions of fugitive dusts are employed when weather conditions or climate indicate that transport of dust off-site is liable to create a nuisance. Preventative measures include watering access roads and covering wastes with soil.

FIRE PREVENTION

The hazard of unauthorized fires is reduced by covering wood, timbers, and other combustible material with soil as needed. A specific portion of the landfill is set aside for yard wastes. These wastes may be burned during appropriate times of the year or chipped for future use. Burning will only be conducted under the direction of the City Fire Chief and in accordance with State Law.

CLOSURE

Closure operations will be performed on an ongoing basis. When a portion of the landfill attains final elevation, and sufficient working area exists to place final cover, closure operations will be initiated. Closure will consist of leveling the wastes to the extent practicable and filling any voids posing a physical hazard. Contouring necessary to produce an aesthetic appearance may also be conducted. Wastes will then be covered with additional soil to a minimum total depth of 2 feet, including 6 inches of topsoil. An alternate cover system may be implemented, if it can be demonstrated it meets applicable standards. Construction of the final cover will be performed with on-site personnel or may be contracted with private enterprise.

Closed portions of the landfill may be seeded with grass, shallow rooted vegetation, native vegetation, or covered in another manner approved by the Executive Secretary. Closed areas will be randomly examined as part of the quarterly inspection. Any deficiencies will be repaired as soon as practical. For those failures which jeopardize the environmental integrity of the facility, corrective measures will be initiated immediately.

No alternate land use for closed sections has been developed to date. Closed cells will remain under the jurisdiction of the landfill manager and the property owner. If alternate land use plans are developed, they will be addressed during the permit renewal process, or a separate permit modification may be submitted.

CLOSURE PLAN

CLOSURE SEASON AND YEAR

Closure operations at the Panguitch Class IVB Landfill will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for many years. A final closing date cannot be determined at this time. Ongoing closure operations will generally be performed from May through October, the normal frost-free construction period, or as weather permits. No area larger than 1.5 acres that has achieved final elevation will remain open longer than 6 months.

FINAL COVER, SEEDING, CONTOURING

Closure operations will consist of leveling, contouring, placement of appropriate covers and seeding as necessary to reduce infiltration and preserve the integrity of the completed areas of the landfill. Areas of the landfill reaching final elevation will be closed within 6 months. Closure operations will include leveling and contouring using intermediate cover to reduce infiltration and ponding. Excess material may be stripped and utilized in other operations or left in place. After grading operations promoting drainage are complete, earthen material which increases the total cover depth to 2 feet including 6 inches of topsoil will be installed. Final slopes of the landfill shall be at least 2% but no more than 33%. Upon completion of the covering operations, closed areas will be seeded. The seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Recently closed sections of the landfill will be evaluated as part of the quarterly inspection process and will be placed on post-closure status.

SITE CAPACITY

Site capacity for the entire Panguitch Class IVB Landfill cannot be accurately estimated. Assuming the initial 10-acre parcel, trench style operation (40-ft. bottom width, 4:1 side slopes, 30-ft. depth), three 8.5-foot lifts of waste with 1.5-foot intermediate cover, and an average density of 900 lbs. per cubic yard, waste volumes can be estimated at 264,000 cubic yards or 118,800 tons.

ACTIVE FILL VERSUS CLOSED AREA

The active area of the Panguitch Class IV Landfill is not anticipated to exceed 1.5 acres, with normal operations generally confined to less than 1.0 acre. The closed portion of the landfill will initially be 0 acres and may increase as much as 1.0 acre per year during the life of the facility. 2.0 acres have been closed as of 1-1-09.

CLOSURE TIMING AND NOTIFICATION

Closure activities at the Panguitch Class IVB Landfill will be performed on an ongoing basis. The Executive Secretary will be given written notification of at least 30 days prior to the closure of any disposal cell.

CLOSURE COSTS AND MECHANISMS

Closure costs and post closure costs were estimated using projections for a third party to perform the work and considering the largest area of the disposal facility requiring final cover during the operating period. Cover operations consisted of 20 hours of equipment time and include seeding and inspection. The cost estimates are contained in Exhibit 7. Closure costs are estimated at \$36,000; the funding mechanism is a PTIF dedicated escrow account #6036. Panguitch City will provide approved \$4,525.00 per year to get PTIF to State standard.

RUN-ON AND RUN-OFF SYSTEMS

No technical devices are proposed to control run-on and run-off systems at the Panguitch Class IVB Landfill. Best management practices have been implemented to minimize infiltration and assure the integrity of the run-on/run-off system. Run-on and run-off from events smaller than the 25-year storm will be controlled.

Run-on control consists of a perimeter diversion dike constructed along the edges of the active area and utilizes natural topography to intercept any surface waters and channelize potential run-on away from areas containing waste. Inside the dikes, contouring which contains precipitation provides additional assurance against potential surface water impacts. The dike has been constructed of native materials and has a minimum base width of 4 feet and a minimum height of 1 foot. Additional control berms may also be constructed on the edge of the construction/demolition area to separate yard waste areas.

Run-off will be controlled by containing accumulated precipitation within the active area. During the active life of a cell, run-on control dikes will also serve as run-off control berms. Contouring will be performed to channelize surface waters to appropriate areas for dissipation. After closure, final cover will be graded to promote drainage and surface flows will not be permitted to contact waste. Considering the extremely limited precipitation, native soil characteristics, and the nature of acceptable wastes, run-on/run-off control features for the facility are than adequate.

PLAN OF OPERATION

INTRODUCTION

This document constitutes the plan of operation for the Panguitch Class IV Landfill and is intended to comply with guideline R315-302-2(2) of the Utah Division of Solid and Hazardous Waste Administrative Rules. Technical questions and comments may be directed to:

Allen K. Henrie, City Manager
P. O. Box 75
Panguitch, UT 84759
(435) 676-8585

WASTE HANDLING PROCEDURES

One of the purposes of the Panguitch Class IV landfill is to expand integrated solid waste management techniques near Panguitch. The facility is separated into various disposal areas including:

1. Yard Wastes
2. Construction/Demolition Wastes
3. Dead Animals
4. Recyclable Metals
5. Other Categories as Need and Markets Develop

Yard wastes are vegetative matter resulting from landscaping, land maintenance, and land clearing operations including grass clippings, prunings, and other discarded material generated from yards, gardens, parks, farms, and similar types of facilities. This type of waste does not include garbage, paper, plastics, sludge, septage, lumber, wood products, or manure.

Yard wastes brought to the landfill is placed in the designated area, separated by type (chippable tree limbs & bushes, grass clippings, and trees, trunks & stumps). The material is held until it can be burned, chipped or placed at the working face of the landfill. All burning will be done in accordance with Utah State Law and under the direction of the City Fire Chief. No trash, rubbish, tires, or oil may be used to start the fires. Open burning is prohibited at the landfill, so yard wastes must be separated from the working area prior to burning. Separation may occur through the use of berms, trenches, roads, buffer zones, pits or appropriate fences. Trees, trunks, and stumps may be cut and used for heating fuel, slope protection, barriers, or in other approved projects. Grass clippings and chipped material may be distributed for landscaping projects, soil amendments, or other appropriate uses, including cover in other areas of the facility. Yard wastes which are not used or disposed within one year will be transferred to the construction/demolition area for final disposal.

Construction/demolition material, is brought to the working face where it is dumped and spread. Large timbers and recyclable lumber may be separated and held for reuse. This waste is covered as needed to avoid a fire hazard, blowing litter, or vector problems. Cover material includes fire resistant material, 6 inches of earthen material, or an alternate cover approved by the Executive

Secretary. No fires are permitted within this area of the landfill.

Dead animals will be handled in accordance with administrative Rules 315-315. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of a cell designated for dead animals, or in a separate disposal trench. All dead animals will be completely covered daily with a minimum of 6 inches of earth to prevent odors and the propagation and harborage of rodents and insects. When the situation arises that dead animals must be delivered to the facility during closed periods, generators will be required to contact the owner and arrange for a landfill operator to be present during disposal. Permission for entry may be granted after pertinent information including date, name of generator, number and type of animals disposed is provided. Animals delivered to the landfill under this scenario will be immediately covered with 6 inches of earthen material. Panguitch City Landfill does not currently accept dead animals as the county has a dead animal pit in the area.

Bulky wastes including large appliances, furniture, car bodies and recyclable metals may be stored at the facility temporarily while a sufficient volume is being collected for transportation to a recycling facility or end user. These materials are stored in a neat and tidy manner and in an area designated for such purposes. Bulky wastes stored for more than one year are transported to a facility permitted for final disposal of these materials. Batteries and fluids are removed from car bodies prior to acceptance at the landfill.

Tires and tire-derived material will be received for storage in accordance with the Section R315-320 until they can be transported to a tire recycler. Some funding is available for hauling waste tires to a recycler and storage in a separate facility through Utah's waste tire recycling act.

Equipment to be used at the facility consists primarily of a dump truck, a bulldozer, and a backhoe owned by Panguitch City. When additional equipment is needed, it is borrowed or leased from Garfield County or other suppliers. This may include loaders, trucks, and graders. Chippers and other processing equipment will be acquired as funds and needs dictate.

INSPECTIONS AND MONITORING

At least one employee is on site to perform inspection and monitoring functions during all times the facility is open to the public. Inspection and monitoring at the Panguitch Class IV Landfill are conducted in two components: (1) routine and (2) compliance. Routine inspections are conducted on each incoming load of material as it enters the facility and is deposited to prohibit receipt of unacceptable wastes. In addition, random checks are made during deposition, spreading, and covering operations to ensure no unauthorized waste is received at the landfill, to insure protection of the environment and prevent of nuisances. Random waste screening will be conducted on a minimum of 1% of all incoming loads. Random inspection forms is provided in Exhibit 4b. Waste screening inspections are made by trained personnel.

Compliance inspections are conducted quarterly to assess the integrity of cover, the condition of side slopes and vegetative cover, and the impacts of erosion. Quarterly inspection form is provided as Exhibit 5. In addition, the detailed quarterly inspection included a review to verify compliance with all permit conditions and state and federal regulations.

FIRE/EXPLOSION CONTINGENCY PLAN

In the event of a fire or an explosion that prohibits deposition on incoming waste in the existing

cell, the landfill will be closed, and incoming waste will be diverted to an alternate facility. Alternate facilities may include other permitted Class IV landfills in the area, the John's Valley Landfill, the Wayne County Landfill, the Sevier County Landfill or other future landfill facilities. Upon resolution of the unexpected event, the facility will be reopened.

Landfill fires and explosions are difficult to control and require different techniques than many incidents handled by local volunteer fire departments. For this reason fires and/or explosions at the Panguitch Class IV Landfill will be managed by landfill personnel. However, local fire departments will respond to provide assistance if requested by the landfill manager. The outline for procedures to follow in case of fire or explosion is:

1. Secure Affected Area
2. Divert Incoming Waste
3. Isolate Fire/Explosion
4. Suppress Incident If Possible
5. Request Additional Assistance If Needed
6. Report and Record Necessary Information

CORRECTIVE ACTION FOR CONTAMINATED GROUNDWATER

This section describes corrective actions to be taken by owners and operators of the Panguitch Class IVB Landfill to regain compliance with protection levels of the permit in the event releases are discovered and acceptable concentration limits for groundwater are exceeded.

No monitoring wells are proposed for the Panguitch Class IV Landfill. However, if the concentrations of parameters in down gradient wells exceed the acceptable concentration limits as substantiated by confirmatory analyses, owners and operators of the Panguitch Class IVB Landfill will implement a corrective action program as outlined in R315-308.

CONTINGENCY PLAN FOR OTHER RELEASES

This section describes corrective actions to be taken by the Panguitch Class IV Landfill to regain compliance with the protection levels of the permit in the event releases are discovered and acceptable concentration limits are exceeded.

When the concentration of parameters exceed acceptable limits as substantiated by confirmatory analyses, owners and operators of the Panguitch Class IV Landfill will implement a corrective action program approved by the Executive Secretary.

EQUIPMENT MAINTENANCE

Maintenance of equipment used in day to day operations are performed by landfill employees or contracted mechanics in accordance with manufactures recommendations and industry practices.

RUN-ON/RUN-OFF CONTROL

Panguitch City controls the run-on and run-off resulting from the 25-year event from contacting solid waste and leaving the landfill. This is accomplished through a series of best management

practices. Each cell is surrounded with berm style stockpiling of excess excavated material. The berms vary in height and prevent unanticipated flow of surface waters into the active areas of the facility.

In addition to the berms, additional measures including ditches and contouring may be implemented to direct surface drainage to desired areas.

EXCLUSION OF HAZARDOUS WASTE

As a rural Class IVB landfill, the Panguitch facility is in a favorable position regarding exclusion of hazardous waste. Generally, all waste is delivered by local, known generators, and the waste is observed as it is deposited. During periods the landfill is open to the public, at least one percent of the vehicles and other suspicious loads are directed to dispose of their material near the working face in a manner that permits inspection prior to unloading. The waste generator is detained while the load is inspected; if unacceptable hazardous substances are encountered, they will not be unloaded, and appropriate authorities will be contacted. Considering the population served, waste volumes generated, and complexity of the solid waste stream, these measures are considered to be adequate.

A section documenting the results of the formal inspections outlined above has been included as part of the daily record forms (see Exhibit 4b). Including hazardous/PCB waste records on the daily record forms allows landfill managers to incorporate inspections into their daily routine and permits regulators to review inspection patterns efficiently while examining waste volumes.

DISEASE VECTOR CONTROL

The waste accepted at a Class IVB landfill should not attract possible disease vector animals. The primary method for disease vector control at the Panguitch Class IVB Landfill is limiting wastes to those types approved by the permit and providing an appropriate cover as needed to prevent fires. The cover consists of a 6-inch minimum layer of earthen material over dead animals or an alternate cover approved by the Executive Secretary.

Rodents and other vermin are not be permitted to burrow in the active area of the landfill; and trapping or extinction methods are implemented to protect the integrity of the disease vector control program.

ALTERNATIVE DISPOSAL

Alternative waste handling procedures for periods when the landfill is not in operation are be similar to procedures for fires and explosions. Waste will be diverted to alternate disposal sites. Alternate facilities may include other permitted Class IV landfills in the area, the John's Valley Landfill, the Wayne County Landfill, the Sevier County Landfill or other future landfills. Procedures will continue in this manner until operations at the landfill can return to normal.

In the event of equipment breakdown that cannot be repaired in a reasonable time frame, equipment will be borrowed from contributing entities or leased from local distributors. It is the

02/20/2000 MON 12:40 FAX 435 870 2750 PANGUITCH CITY 021

intent of owners and operators to have dedicated equipment at the landfill over a period of time and to acquire appropriate backup equipment.

CLOSURE/POST CLOSURE

Closure of active portions of the Panguitch Class IVB Landfill contemplates controlling, minimizing, and eliminating threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated runoff, or waste composition products to the ground, groundwater, surface water, and the atmosphere. When an area of the landfill exceeding 3,000 square yards reaches final elevation, it will be covered within 60 days with 12 inches of intermediate cover and graded to promote drainage. Final slopes of the landfill shall be at least 2% and no more than 33%. The surface shall be free from ponding and shall minimize infiltration. Not more than 6 months after completion of the intermediate cover, the area will be covered with a minimum of 24 inches of earthen material including 6 inches of material capable of supporting vegetative growth.

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers. Any areas subject to erosion will also be corrected; and appropriate measures will be implemented to identify and eliminate the source. Groundwater monitoring, leachate collection, and gas collection are not proposed for the Panguitch Class IV Landfill. Therefore, closure and post-closure activities associated with these functions will not be performed.

FINANCIAL ASSURANCE

A financial assurance plan has been developed for the Panguitch Class IVB Landfill and is contained in other sections of this document. The plan consists of insuring that sufficient funding is available within 5 years of initial solid waste receipt for the closure of the largest area of the landfill that is active at any time. Cost estimates were developed considering a third party performing the work.

The closure and post-closure cost estimates are provided in Exhibit 7.

TRAINING AND SAFETY PLAN

The landfill operator is trained through experience and help from the Utah Department of Environmental Quality. Panguitch City employees attend safety, OSHA, fire and first aid workshops. The landfill manager works 5 to 12 hours a week. Training will be provided as available on a local basis. The Garfield County Engineer is helpful with local training.

RECYCLING

Recycling means extracting valuable materials from the waste stream and remanufacturing them into useable products. Technical recycling expertise is not available and reliable recycling markets do not exist for solid waste disposed at the Panguitch Class IVB Landfill. In an effort to

promote source reduction and future recycling, large appliances, car bodies, and some ferrous metals will be stored onsite until they can be transported to an appropriate recycling/salvage facility. Recyclable material shall be stored on site for no more than one year. Compostable material may be diverted to areas designated for mulching or burning. However, no formal recycling or remanufacturing program is anticipated for this facility.

ACCESS CONTROL AND ON-SITE PERSONNEL

Fencing is placed around accessible portions of the active cell and any closed areas with a lockable gate provided at the main entrance to the facility. The fence consists of four strands of barbed wire. The absence of any roads and existing topography surrounding the site eliminate the possibility of unauthorized vehicular traffic.

Landfill personnel are on-site during all hours the facility is open to the public. The current schedule for operation of the Panguitch Class IV Landfill is:

| | |
|-------------------|---|
| Nov. 1 - March 30 | Wednesdays 3:00 - 5:00 p.m. Saturdays 10:00 a.m. - 12:00 noon |
| April 1 - Oct. 30 | Mondays, Wednesdays, and Fridays 5:00 - 7:00 p.m. Saturdays 10:00 a.m. - 4:00 p.m. |

Authorized collection vehicles operated by personnel under contract with the landfill and containing construction waste, yard waste, dead animals, or waste tire material may be entering the landfill when the facility is not open to the public. Waste will not be accepted from the public during these periods. The City intends to revise the scheduled operation of the landfill as the need arises and solid waste volumes dictate.

FINANCIAL ASSURANCE PLAN

INTRODUCTION

This section of the permit describes compliance with Subsection R315-309, Financial Assurance of the Administrative Rules for Solid Waste Permitting and Management. Cost estimates consider the most expensive option during the period and are based on a third party performing closure and post closure care.

MECHANISMS

The initial mechanism used at the Panguitch Class IVB Landfill is a dedicated escrow/capital improvement account. The account was established with THE Utah State Treasurer's Office. Funds in excess of the estimate listed below may be used for capital improvements, to offset rate increases, operation expenses and other items deemed necessary by landfill managers. The Panguitch Class IVB Landfill may alter the mechanism to include insurance, surety bonds, trust funds, or other options as they become feasible with Executive Secretary approval.

SCHEDULE OF PAYMENTS

A schedule of payments has been developed to insure the availability of sufficient funds within the life of the permit.

COST ESTIMATE

Cost estimates for closure and post-closure care were developed considering the largest area of the disposal facility requiring final cover during the operating period and using projections for a third party to perform the work. The cost estimate are contained in Exhibit 7.

EXHIBITS

- Exhibit #1 General Vicinity Map
- Exhibit #2 Location Map
- Exhibit #3 Service Area
- Exhibit #4a-b Daily Record Forms
- Exhibit #5 Quarterly Inspection Log
- Exhibit #6 Landfill Map
- Exhibit #7 Financial Assurance

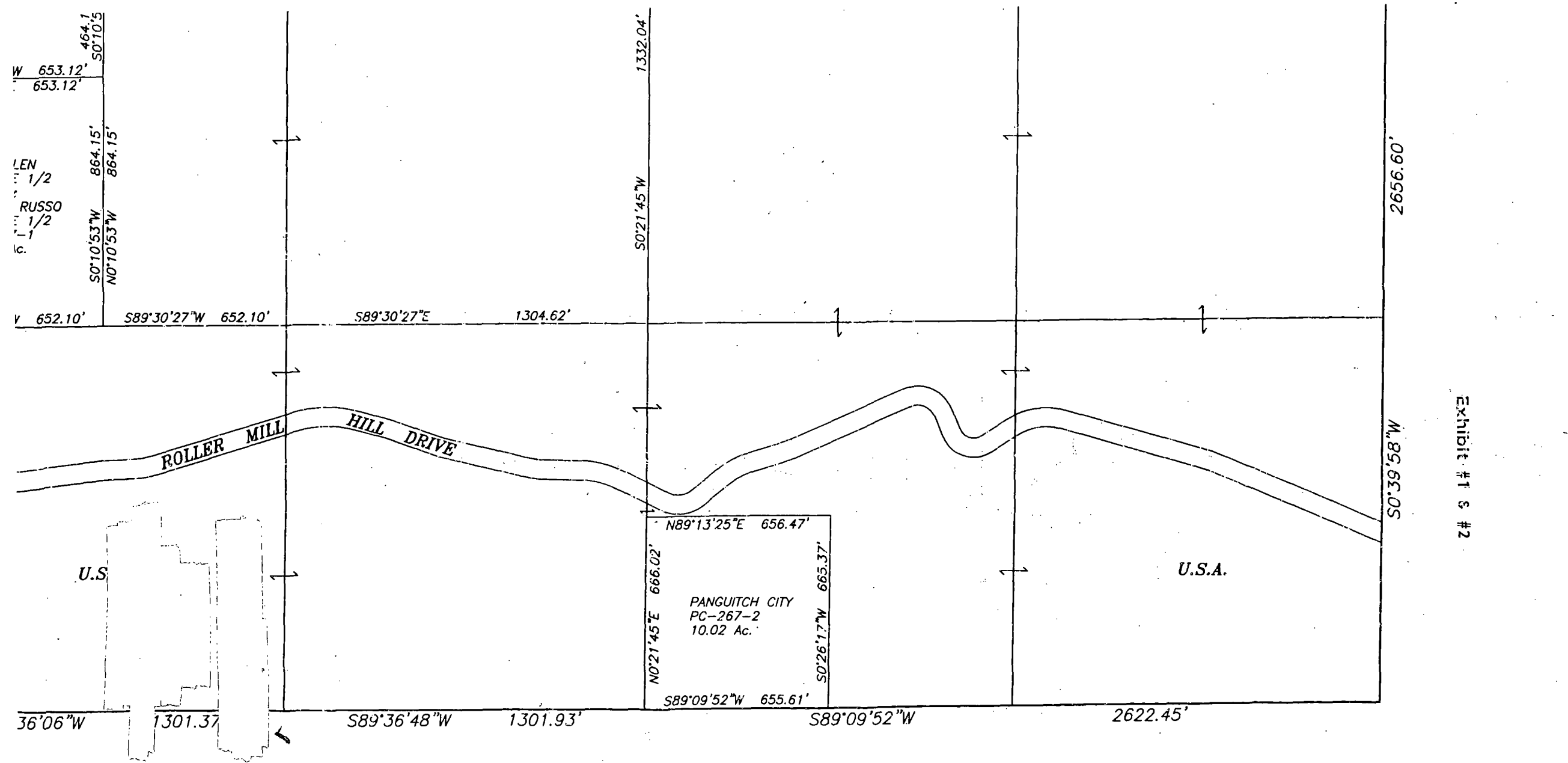
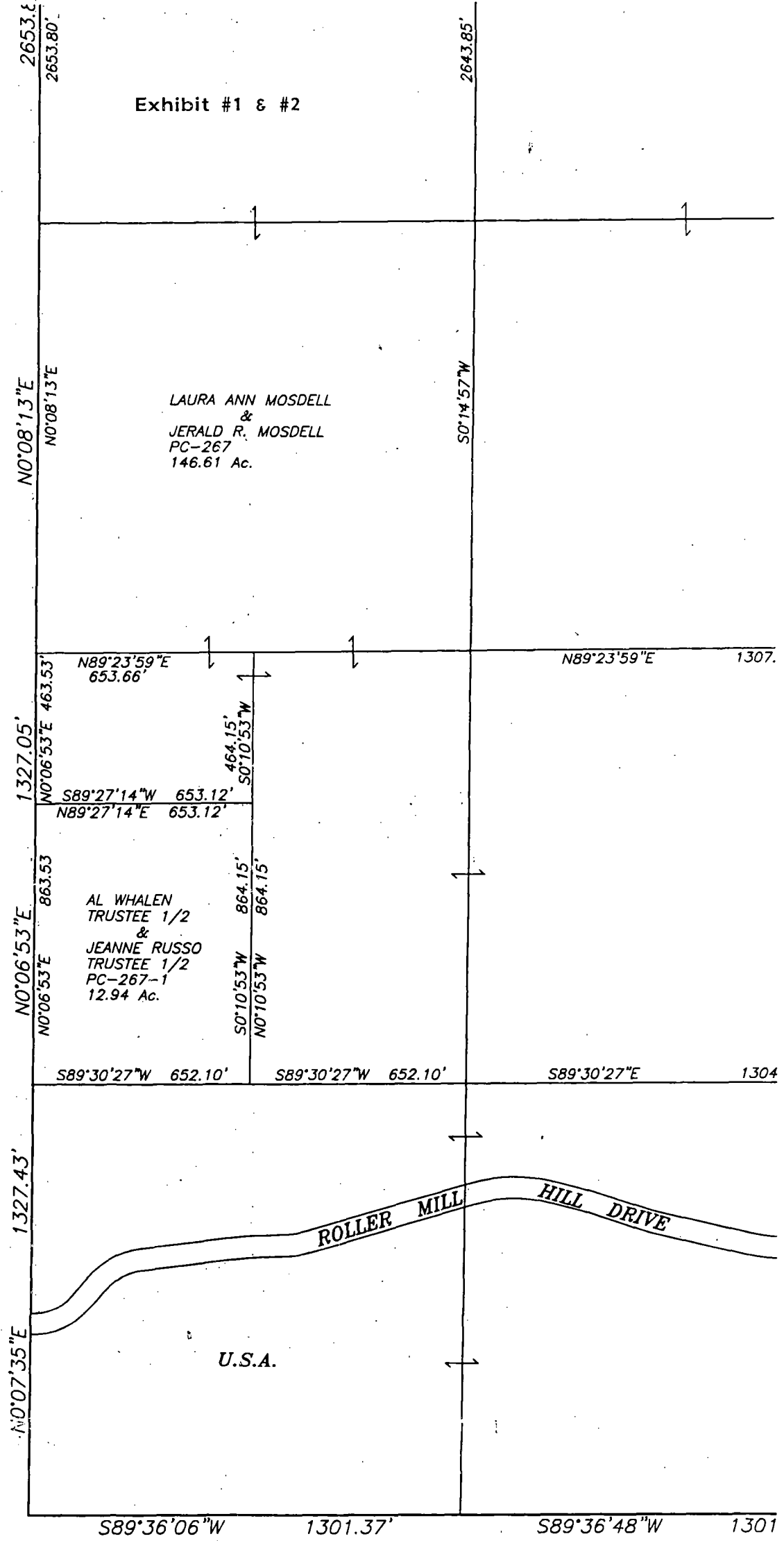


Exhibit # 1 & 2

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Exhibit #3 - Service

RICHFIELD
APPROX. 13

BEG. CONST.
LIMITS NORTH
PROJ. NO. STP-0089(57)
STA. 2+348.042

END CONST.
LIMITS NORTH
PROJ. NO. STP-0089(57)116
STA. 1+584.916

END CON
CONST. I
PROJ. NO. ST
STA. 3+538

300 WEST

200 WEST

100 WEST

100 EAST

200 EAST

300 EAST

400 EAST

BEG. CONST.
LIMITS EAST
PROJ. NO. STP-0089(57)116
STA. 4+126.561

LOCAL AGEI
RECOMMENDED FOR A

PANGUITCH CLASS IV LANDFILL
Weight, Volume, and Vehicle Record

Date: _____ Day of Week: _____ Page ____ of ____

| | | | | | |
|-------------|--------------------|-----------------|-------------|---------------|--------------|
| | Est. Volume | Est. Weight | | Type of | |
| <u>Time</u> | <u>Vehicle No.</u> | <u>Cu. Yds.</u> | <u>Tons</u> | <u>Origin</u> | <u>Waste</u> |

Signature _____ Date _____

PANGUITCH CLASS IV LANDFILL

Exhibit 4a. Daily Record Form

HAZARDOUS WASTE / PCB INSPECTION RECORD

Date: _____ Time: _____ Vehicle No. _____

Random Selection: Yes / No Suspicious Load: Yes / No Other: _____

Vehicle Owner: _____
Name Address

City, State Phone

Waste Origin: _____

Waste Types: _____

Describe any hazardous or PCB wastes encountered: _____

Action Taken: _____

Comments: _____

If hazardous waste or PCB waste is encountered, contact the Division of Solid and Hazardous Waste at (801) 538-6170

Signature _____ Date _____

PANGUITCH CLASS IV LANDFILL

Exhibit 4b. Hazardous/PCB Waste Record Form

Panguitch Class IV Landfill Quarterly Inspection Log

This document is the official form required for compliance with R315-301-7(5)(a) for the Panguitch Class IV Landfill.

Date _____ Time _____ Weather _____

Inspection Team: _____

Observations: _____

Date and Nature of Repairs/Corrective Action: _____

Other: _____

Explosive Gas Monitoring ____ Structures ____ Property Boundary

Training Procedures Completed: _____

Major Deviations from Plan of Operation: _____

_____ Name of Inspector

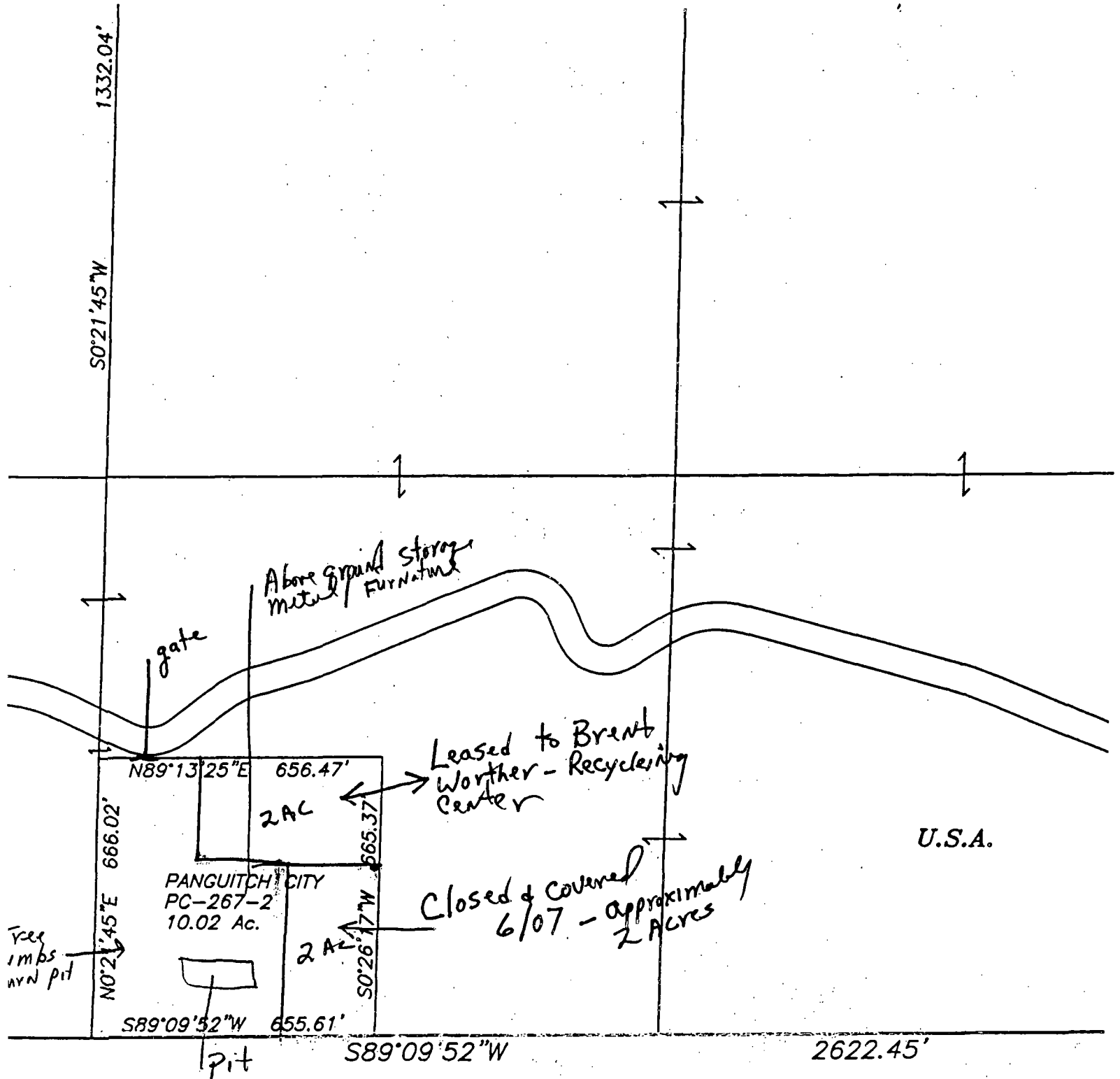
Signature

This form shall be kept on site or at another convenient location if no permanent office facilities exist for a minimum of 3 years.

PANGUITCH CLASS IV LANDFILL

Exhibit 5. Quarterly Inspection Log

Exhibit # 6



U.S.T.C.
APPROVAL
DATE:

PLAT DEPARTMENT

GARFIELD COUNTY, UTAH

SEC. 26 T.34

DRAWN BY: L.B.

EXHIBIT #7
PANGUITCH CITY LANDFILL
FINANCIAL ASSURANCE
1-07-09

| | | |
|--|-------------------------------|-------------|
| LANDFILL CLOSURE | 2 ACRES | |
| | 50 HOURS AT \$200.00 PER HOUR | \$10,000.00 |
| REMOVE METAL / MISC MATERIAL | | |
| | 30 HOURS AT \$200.00 PER HOUR | \$6,000.00 |
| SEED / MISC EXPENSES | | \$5,000.00 |
| POST CLOSURE COST \$500.00 PER YEAR FOR 30 YEARS | | \$15,000.00 |
| TOTAL | | \$36,000.00 |
| BALANCE AVAILABLE – PTIF | | \$13,334.00 |
| TOTAL DUE | | \$22,666.00 |

PANGUITCH CITY WILL BUDGET 1/5 EACH YEAR UNTIL CLOSURE FIGURES
ARE MET.

\$4,525.00 PER YEAR FOR FIVE YEARS.

The United States of America

To all to whom these presents shall come, Greeting:

UTU-72763

WHEREAS,

Panguitch City Corporation

212599
ENTRY NO. _____ RECORDED 10-3, 19 95 AT 1:30pm
AT REQUEST OF Panguitch City
FEE \$0.00
RECORDER GARFIELD COUNTY, UTAH
DEPUTY Deborah Hatch

is entitled to a land patent pursuant to the Recreation and Public Purposes Act of June 14, 1926 (44 Stat. 741), as amended by the Act of January 25, 1988 (102 Stat. 3815; 43 U.S.C. 869) for the following described land:

Salt Lake Meridian, Utah

T. 34 S., R. 5 W.,
sec. 26, SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$.

containing 10.00 acres

NOW KNOW YE, that the UNITED STATES OF AMERICA, in consideration of the premises, and in conformity with said Act of Congress, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT unto the said Panguitch City Corporation, the land above described for use as a solid waste source reduction site and transfer station: TO HAVE AND TO HOLD the same, together with all rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the same, Panguitch City Corporation forever; and

EXCEPTING AND RESERVING TO THE UNITED STATES

1. A right-of-way thereon for ditches or canals constructed by the United States pursuant to the Act of August 30, 1890 (43 U.S.C. 945).
2. All minerals, including oil and gas, in the land so patented with the right to prospect for, mine and remove the same. The Secretary of the Interior reserves the right to determine whether such mining and removal of minerals will interfere with the development, operation and maintenance of the solid waste source reduction site and transfer station.

SUBJECT TO:

1. Panguitch City Corporation, its successors or assigns, assumes all liability for and shall defend, indemnify, and save the United States and its officers, agents, representatives, and employees (hereinafter referred to in this clause as the United States), from all claims, loss, damage, actions, causes of action, expense, and liability (hereinafter referred to in this clause as claims) resulting from, brought for, or on account of, any personal injury, threat of personal injury, or property damage received or sustained by any person or persons (including the patentee's employees) or property growing out of, occurring, or attributable directly or indirectly, to the disposal of solid waste on, or the release of hazardous substances from the land described above, regardless of

Patent Number 43-95-0029

BOOK 325 PAGE 49

whether such claims shall be attributable to: (1) the concurrent, contributory, or partial fault, failure, or negligence of the United States, or (2) the sole fault, failure, or negligence of the United States.

2. Provided, that title shall revert to the United States upon a finding, after notice and opportunity for a hearing, that the patentee has not substantially developed the lands on or before the date five years after the date of conveyance. No portion of the land shall under any circumstance revert to the United States if any such portion has been used for solid waste disposal or for any other purpose which may result in the disposal, placement, or release of any hazardous substance.
3. If, at any time, the patentee transfers to another party ownership of any portion of the land not used for the purpose specified in this document, the patentee shall pay the Bureau of Land Management the fair market value, as determined by the authorized officer, of the transferred portion as of the date of transfer, including the value of any improvements thereon.
4. The above described land has been conveyed for utilization as a solid waste source reduction site and transfer station. Upon closure, the site may contain small quantities of commercial and household hazardous waste as determined in the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6901), and defined in 40 CFR 261.4 and 261.5. Although there is no indication these materials pose any significant risk to human health or the environment, future land uses should be limited to those which do not penetrate the final cover of this area unless excavation is conducted subject to applicable State and Federal requirements.
5. The Secretary of the Interior may take action to revert title in the United States if the patentee directly or indirectly permits its agents, employees, contractors, or subcontractors (including without limitation lessees, sublessees and permittees) to prohibit or restrict the use of any part of the patented land or any of the facilities thereon by any person because of such person's race, creed, sex, or national origin.

In addition to the above the grant of the herein described land is subject to the following reservations, conditions, and limitations:

1. The patentee and its successors or assigns in interest shall comply with and shall not violate any of the terms or provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 241), and requirements of the regulations, as modified or amended, of the Secretary of the Interior issued pursuant thereto (43 CFR 17) for the period that the lands conveyed herein are for the purpose for which the grant was made pursuant to the act cited above, or for another purpose involving the provision of similar services or benefits;
2. The United States shall have the right to seek judicial enforcement of the requirements of Title VI of the Civil Rights Act of 1964, and the terms and conditions of the regulations, as modified or amended, of the Secretary of the Interior issued pursuant to said Title, in the event of their violation by the patentee;
3. The patentee and its successors or assigns in interest will, upon request of the Secretary of the Interior or his delegate, post and maintain on the property conveyed by this document signs and posters bearing legend concerning the applicability of Title VI of the Civil Rights Act of 1964 to the area or facility conveyed;

Patent Number 43-95-0029

BOOK 325 PAGE 50

4. The reservations, conditions, and limitations contained in paragraphs (1) through (3) shall constitute a covenant running with the land, binding on the patentee and its successors or assigns in interest for the period for which the land described herein is used for the purpose for which this grant was made, or for another purpose involving the provision of similar services or benefits;
5. The assurances and covenant required by sections (1) through (4) above shall not apply to ultimate beneficiaries under the program for which this grant is made. "Ultimate beneficiaries" are identified in 43 CFR 17.12(h).



IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

GIVEN under my hand, in Salt Lake City, Utah
the Twenty-Fifth day of August
in the year of our Lord one thousand nine hundred and
Ninety-Five and of the Independence of the
United States the two hundred and Twentieth

By *James L. Catt*
Chief, Branch of Lands and
Minerals Operations

Patent Number 43-95-0029

BOOK 325 PAGE 51